

LISTING OF CLAIMS

1(currently amended). A method of reading from data on an optical disc having two sides comprising:

providing a disc with data disposed on tracks on respective sides, said tracks being disposed along spirals, with the track on ~~one~~ a first side being disposed along a first spiral oriented in a first direction and the track on ~~the other~~ a second side being disposed along a second spiral oriented in a direction that is opposite to said first direction, as viewed ~~normally~~ from the respective sides; each said first side having a center and a peripheral edge;

rotating the disc; and

reading the data from either side using at least one laser without stopping the rotation of the disc including reading data from the center of said first side to the edge of said first side immediately followed by reading data from the edge of said second side toward the center of said second side in a normal sequence.

2(currently amended). The method of claim 1 wherein said disc is provided with at least two data ~~layer~~ layers on ~~one~~ said first side further comprising reading the layers of said ~~one~~ first side without switching over to the other side between layers.

3(Cancelled). The method of claim 1 further comprising reading the

data from both sides of the disc while the disc continues rotating in the same direction.

4(cancelled). The method of claim 1 further comprising reading data from a first side and then reading data from the second side.

5(original). The method of claim 1 further comprising:
providing two laser heads, each laser head being disposed on
along a respective side of the disc; and
reading data from one side with one head and from the other side
with the other head.

6(cancelled). The method of claim 5 wherein data is read in
sequence from said first side and said second side.

7(cancelled). The method of claim 6 further comprising reading in a
sequence on said tracks, the sequence starting on one side and ending on the
opposite side.

8(original). The method of claim 1 further comprising reading data
with a single head.

9(original). The method of claim 8 further comprising switching said

head from one side to the other without stopping the disc.

10(currently amended). A method of playing a double-sided optical disc, comprising:

reading data from a first side; and

then reading data in a normal sequence from the second side without turning said disc over and without stopping its rotation in a preselected direction.

11(currently amended). The method of claim 10 further comprising:

rotating the disc in a first direction to read data from a first side using a first laser; and

rotating the disc in a second direction to read data from a second side using a second laser.

12(original). The method of claim 10 further comprising:

reading data from a first side with a first laser head; and

reading data from a second side with a second laser head.

13(cancelled). The method of claim 12 further comprising rotating said disc in a first direction while said data is read from said first side and rotating said disc in said first direction while said data is read from said second side.

14 (original). The method of claim 10 further comprising:

reading data from a first side with a laser head;

switching said laser head to a second side; and

reading data from said second side with said laser head.

15(cancelled). The method of claim 14 further comprising rotating the disc in a single direction while the laser head is switched.

16(cancelled). The method of claim 14 wherein said disc is rotated continuously in a single direction while data is read from said first side and said second side and as said laser head is switched.

17(currently amended). A method of reading data from a disc having a first side with several data layers, and a second side with at least one data layer, said disc having a center and an edge, said method comprising:

reading data from the data layers of said first side in a normal sequence; and

reading data from said second side without turning said disc over wherein the last layer being read on the first side terminates at the edge of the disc and the second side is read in a normal sequence from the edge toward the center of the disc.

18. (original).The method of claim 17 wherein data is read from said

first side while said disc is rotating in one direction and data is read on said second side while said disc is rotating in an opposite direction.

19. (original) The method of claim 17 further comprising rotating said disc in a predetermined direction as data is read from said first and said second sides.

20. (original) The method of claim 17 further comprising reading data from said first side with a first laser head and reading data from said second side with a second laser head.

21(original)The method of claim 17 further comprising reading data from said first side with a first laser, switching said laser to said second side and reading data from said second side with said first laser.

22 (new). The method of claim 2 wherein data is read from said first side by reading data from the edge of said first side to the center of said first side on said first layer and the reading data from said center on said second layer.

23 (new). The method of claim 22 wherein said second side includes two layers.

24 (new). The method of claim 1 wherein data on said disc is arranged in annular zones disposed concentrically around said zone, each zone is being associated with a respective rotational speed, wherein on each side data is read from each zone at the respective rotational speed.

25 (new). The method of claim 10 wherein data on said disc is arranged in annular zones disposed concentrically around said zone, each zone is being associated with a respective rotational speed, wherein on each side data is read from each zone at the respective rotational speed.